



Right name must be on list

Dr. Omond Solandt, the Chancellor, is hoping for a good response to the call for nominations for the Presidential Search Committee. "The recommendation we make to the Board should reflect the best judgment that exists in the estates electing people to represent them," he said.

"This is an important aspect of the operation," he continued, "but let us not for a moment lose sight of the great objective which is to put before the Governors the name of the one person who, above all others, has the qualifications, the personality and the standing to succeed Dr. Bissell.

"No committee, no matter how carefully selected, will be able to do this if the right name is not on its list. I cannot put too much stress on the responsibility resting on staff, students, administrators and alumni to assist the committee in its search.

"Suggestions may be made to any member of the committee, preferably in writing. Indeed, I hope that some individuals will take action even before the committee is formed and address their proposals to me."

The Chancellor saw a possibility that someone elected to the Search Committee would find himself proposed as a candidate for the Presidency.

"Should that happen, and should the member be willing to let his name stand, he could quietly withdraw from the committee by speaking to the chairman," Dr. Solandt said. "He would be replaced on the committee by the person polling the next largest number of votes in his category in the election to which we should now address ourselves."

In announcing Dr. Solandt's appointment as Chairman of the Search Committee, Chairman of the Board O. D. Vaughan said Dr. Solandt would determine the method of election and the procedures to be followed by the committee.

All meetings of the committee will be held in camera and the committee will bring forward only one name at a time, Mr. Vaughan added.

Nominations now open for election to Presidential Search Committee

The structure of a Search Committee for the successor to Dr. Claude Bissell as President of the University of Toronto has been announced by the University's Board of Governors. It will consist of:

Three faculty members: to be elected by all full-time and part-time faculty of the rank of lecturer and above; the three faculty elected may not all be members of one Faculty.

Two undergraduate students: to be elected by all full-time and part-time undergraduate students; the two undergraduates may not be students in the same Faculty.

One graduate student: to be elected by all full-time and part-time graduate students.

Two administrators: to be elected by the academic administrators (chairman of department and above) and senior non-academic administrators (according to University-Wide Committee elections pattern).

Three members of the Board of Governors: to be chosen from among their own number.

Two alumni: one to be the President of the University of Toronto Alumni

Association and one to be elected from among the Directorate of the U.T.A.A.

The Chancellor of the University: will act as Chairman of the Committee.

Methods of election are determined by the Chancellor, with the advice of a sub-committee of the President's Council.

NOMINATIONS OPEN

Nominations for election to the Search Committee, in faculty, student, and administrator categories are now open, and will remain open until 2 p.m., January 25, 1971. Candidates must be sponsored by no fewer than ten nominators in faculty and student categories, and no fewer than five nominators in the administrator category. Nomination forms are presently available at the following locations: offices of all faculties, schools, centres and institutes; college registrars' offices. It is hoped that additional locations will be announced shortly.

All nomination forms will also be available at the Office of the Vice-President and Registrar, Room 106, Simcoe Hall, to which any enquiries may be addressed. (Telephone 928-2196 or 928-2198).

Completed nomination forms should

be returned to the Office of the Vice-President and Registrar.

SCHEDULE FOR NOMINATIONS AND ELECTIONS

Nominations close on Monday, January 25, at 2 p.m.

Candidates will be announced as soon thereafter as possible.

Balloting to take place on Feb. 1, 2 and 3 from 10 a.m. to 9 p.m. and Feb. 4 from 6 p.m. to 9 p.m.

Voting will be by the ballot box method and voting locations will be announced shortly.

The results will be announced on Feb. 5.

It is hoped that the first meeting of the Search Committee will be held in the week of Feb. 8.

New Dean of Forestry is sought on retirement of Dr. J. W. B. Sisam

In view of the retirement of Dean J. W. B. Sisam at the end of the current session, President Claude Bissell has appointed the following committee to recommend a successor to Dean of Forestry:

Chairman, Dr. John Hamilton, Vice-President, Health Sciences.

From Faculty of Forestry—Profs. F. M. Buckingham, Erik Jorgensen, and David V. Love.

From related disciplines—Applied Science and Engineering, Dean James M. Ham; Geography, Prof. Ian Burton; Political Economy, Prof. J. H. Dales; Botany, Prof. N. P. Badenhuizen.

Non-members of the University—A. D. Hall, Ottawa, executive secretary, Canadian Forestry Association; W. C. Harrison, representing Forestry graduates on the Senate; J. Walter Giles, Ontario Department of Lands and Forests.

Dean Sisam, a native of Springhill, N.S., reaches retirement age in May. He joined U of T as an associate professor in 1945 and became Dean in 1947.

Advisory committee begins study of our social responsibilities

The Presidential Advisory Committee on the University's Social Responsibilities held its first meeting on Tuesday, with all members appointed to date present.

An eleventh member, who, it is hoped, will represent unionized employees, has still to be named.

Robin Ross, Vice-President and Registrar, accepted the chairmanship for the time being. As Mr. Ross did not think that, in view of his position, he should be the permanent chairman, although he is a member of the committee, his colleagues agreed to select one from among themselves at a later meeting.

All meetings are to be open, unless the committee for special reasons votes

otherwise. The next session is to be on Friday, Jan. 22, from 2 to 4 p.m. in the Senate Chamber, Simcoe Hall.

Committee members and the constitution (See page 7, col. 3)

JANUARY 21 DEADLINE

University of Toronto Bulletin is published by Department of Information, Room 225, Simcoe Hall. All material for the next issue should be in the hands of the editor, Mrs. Winogene Ferguson (928-2102) by noon today. The next editorial deadline is noon, January 21.



MEETING IN THE BOARD ROOM in Simcoe Hall, the Commission to Investigate the Future Role of the International Student Centre gets under way. The Commission is to report to Robin Ross, Vice-President and Registrar, on the operations and policy of the Centre, located in Cumberland House, and recommend any changes in direction it considers necessary. Its members are, left to right — seated: Mrs. W. A. Young,

representing alumni; the chairman, Kelvin Andrews, Senior Admissions Officer; M. A. Makinde, graduate student; Miss Charity Grant, Dean of Women, University College; standing: Richard Smith, executive secretary of the Commission; Eric McKee, coordinator, CIDA Student Services, International Student Centre; Fred Oforu, graduate student; Prof. Colin McNairn, Law, and Prof. G. D. Scott, Physics.

Presidential Committee studies Architecture Faculty structure

A Presidential Advisory Committee has been established to make recommendations to President Claude Bissell on the structure of the Faculty of Architecture, Urban and Regional Planning, and Landscape Architecture.

"It is my intention", said Dr. Bissell in the terms of reference, "that the committee be free to range widely, and include in its recommendations any matters that they think are essential for the strength of the Faculty. In particular, I would assume that the committee would discuss the following two questions:

"(1) the question as to whether or not a two-tier Faculty structure (that is, a three year general degree in, say, environmental studies, followed by a second degree permitting a measure of concentration) as proposed in 1964, or some variation on it, should now be recommended to meet changing educational and professional needs;

"(2) whether or not a new department, or departments, should be added either to prepare for the implementation of (1) above, or to broaden the present Faculty offering."

The committee consists of the following:

President Bissell.
Provost John H. Sword.
Dean of the Faculty Thomas Howarth.
Acting Dean W. Douglas Baines,
School of Graduate Studies.

Prof. W. F. Graydon, Chairman,
Chemical Engineering.

Principal A. C. H. Hallett, University
College.

Prof. Allen J. Scott, Geography.

Prof. Albert Rose, Director, School of
Social Work.

Dr. A. J. Dakin, Chairman, Department
of Urban and Regional Planning.

Prof. A. Waterhouse, Urban and Regional
Planning.

Prof. Peter Prangnell, Chairman, Department
of Architecture.

Prof. J. A. Stinson, Architecture.

Prof. Richard A. Strong, Chairman,
Department of Landscape Architecture.

Prof. E. H. Fife, Landscape Architecture.

Miss Mary Rose, student representative,
Urban and Regional Planning.

Stephen Nichols, student, Urban and
Regional Planning.

David Spencer, student, Landscape
Architecture.

Bill Schrama, student, Landscape
Architecture.

Tom Moore, student, Architecture.

Peter Orved, student, Architecture.

Donald Beveridge, representing the
planning profession.

Brad Johnson, representing the landscape
architecture profession.

Howard Walker, representing the
architecture profession.

The minutes of the first meeting of the committee reported that Dr. Bissell opened the proceedings. "While not wishing to detract from the importance of regular studies and research, he placed emphasis on imaginative educational thought. 'Faculties', he said, 'must be doing things which justify themselves by virtue of their innovative powers.'" Dr. Bissell suggested that the committee choose a chairman from outside the Faculty. At the second meeting Dean Baines was elected chairman. Dr. Howarth was chairman of the inaugural meeting.

Documents made available to the committee included statements from the Faculty and its three departments.

The Faculty Statement noted that instruction in architecture was given first at the University in 1890 when a department of architecture was established in the School (now Faculty) of Applied Science and Engineering. The department became the School of Architecture in 1931, still under the wing of Engineering. It became an independent School, with continuing close and cordial relations with the Engineering Faculty, in 1948. When in 1958 Dr. Howarth became director of the School, which included a Division of Town and Regional Planning, there were 200 students and 20 full-time members of staff.

(There are now 339 students and 32 full-time teaching staff.)

During the next several years, "change and rumours of change in the professions and building industry, developments in the world of electronics, growing social awareness, McLuhanism, the hippie movement and other similar factors caused us to question the rather complacent attitudes to professional practice and education", said Dr. Howarth. "Our staff meetings reflected this growing concern and, at our annual staff seminar in February 1964, I drew attention to matters that seemed to be of particular significance, suggesting broad lines of future policy and proposing for discussion possible alternative structures to meet the rapidly changing professional and socio-political situation."

(Further extracts from Dr. Howarth's 1964 statement appear on page 3 of this *Bulletin*.)

"The various committees that worked on our problems at that time could not reach agreement on structure and curriculum revision. The fundamental issues that were my personal concern were:—

"(1) that greater freedom of choice should be available to all our students — but choice based upon knowledge of the alternatives academically and professionally (external); and choice based upon greater knowledge of personal interests and aptitudes. This presupposed a time of exploration and self appraisal in the university before the decision was made as to future (i.e. post-university) activity, or career.

"(2) the necessity for collaborative, interdisciplinary education during this period, and, to a lesser degree beyond, as the student became more deeply involved in his chosen subject.

"(3) the importance of high school students coming to university with common interests in what we now loosely call the environmental design disciplines sharing for a time a common program of basic studies, so that they could get to know one another, discuss their hopes and aspirations and measure their intellectual capacity before moving into the field of their choice. There was and is much talk of 'team work' in our field yet we have not succeeded in bringing together at the formative stage — that is, during the first few years of University life — those who will later be expected to work closely together (for example, the engineer, architect, planner, landscape architect, economist, sociologist, et al.). My proposal for a two stage program was based on these beliefs."

Dr. Howarth gave the history of the addition of landscape architecture as a subject, from the time it was first considered in the 1950s until the Senate approved an undergraduate degree course in the discipline, implemented in the fall of 1965. He continued:

"With the establishment of Landscape Architecture and the growing strength of the Division of Town and Regional Planning we believed that there could be academic, professional and administrative advantages in changing our university status from that of School to Faculty. There seemed to be no disagreement as to the logic of this step either externally, or within the University — the main bone of contention was our title! After protracted debate we agreed upon 'Faculty of Design'; the executive of Senate amended this to Faculty of Environmental Design, and the Statute had its first reading in Senate. There were objections from the profession to the omission of the word 'Architecture', and after further discussion we asked Senate to amend the Statute (1967) — and instead of a generic title we now have a specific designation!"

"The Faculty structure enabled us to set up three departments, each with a chairman and a largely autonomous sub-structure. The three departments, it was believed, shared a common concern for the human environment and would form a nucleus around which it might be possible to gather others. The area of studies that had been much neglected in Canada and which seemed an obvious first choice could be that of 'Environmental Science'. In the past two or three

years a number of other university disciplines have developed interests in the environmental field and this has increased the opportunity for the Faculty not only to consolidate its position as a leader in the field but as a co-ordinating centre and link with the professions and public. We are only just reaching a point where after a period of considerable instability and experimentation we should be able to assess our situation, make the necessary adjustments and develop our very considerable potential.

"Among the many questions that could be raised I would mention the following:

"Although the Department of Urban and Regional Planning is well on the way towards the attainment of a Ph.D. degree program, the question of whether or not to introduce an undergraduate program in planning has still to be satisfactorily debated at Faculty level and should be considered here.

"A graduate program in landscape architecture would seem to be a natural and important development for our third department. This, too, could be a matter for recommendation by this committee.

"There would seem to be good reason now for introducing a department concerning itself with 'Environmental Science'.

"However, before we begin to speculate on such matters, it would seem more appropriate to start with first principles and to try to determine whether or not a fundamental change in the structure of the Faculty should be made now to meet the changing needs of society and of professional life. The appropriate questions would seem to be these:

"How can we ensure that our students obtain a sound basis for decision-making — including self appraisal — before they have to make the critical choice of career?

"Should students of the environmental design disciplines share a common base — possibly a three-year program leading to a Bachelor's degree?

"To what extent should 'professional' studies and the acquisition of 'professional' skills penetrate in such a program?

"How should this second phase (diversification in professional studies) be ordered. How many alternatives should there be and how long should the second stage last — three years?

"How do we define 'environmental design disciplines' — which disciplines should be included and which excluded in such a project?

"Can the concept of a 'Faculty of Environmental Design' be justified in the light of changing educational, professional and social needs?

"If the concept of a Faculty of Environmental Design is no longer valid what, then, would be the alternatives — and what, indeed, should be the significance of the degree structure — Bachelor; Master; Ph.D.?"

In its statement, the Department of Architecture said that "architecture, both as an academic discipline and as a profession, is in a quandary. Architecture, with so many other disciplines, is in danger of following concepts (whether from expediency or from fashion) that deny human values except those of marketplace efficiency." Three years ago the Department "described new goals (which) were simply to find ways of making architecture (or planning or landscape) that had greater 'human relevance' for more people than could be found at that time. This ambition has led us away from most of the thoughts and programs currently being pursued by schools and profession. In short, because of our convictions, we are out on a limb." The Department also "wanted to create an educational climate that encouraged young men and women rather than intimidated them."

To support the new curriculum (of three elements — introductory problems, core problems, and elective courses), a Departmental Council, with student parity, was established. This year the Department began to revise its graduate design program, to rewrite them in "the spirit and ambition of the undergraduate program".

Causes of concern at this time — and in no order of importance — are these:

Fear that it is difficult for students to sustain continued interest in an academic program for five years.

"The University ignores the Faculty/

Department in its planning/building programs."

Practical projects are necessary to ensure that staff can be attracted and retained.

"The Faculty has no ambition that unites the three departments. It does not articulate their common concerns. It takes no position on 'environmental problems'."

"With common attitudes there should be fewer departments. (For example, the new multi-disciplinary courses reverse the trend of departmentalization.)

"We should seek alternatives to the formal machinery of the Faculty Council so that there is greater communication between departments inside and outside the faculty. (Further, there is a conflict of interest between the CUG-oriented Department of Architecture and the formality of Faculty organization."

The Department of Urban and Regional Planning said in its statement:

"... there is very urgent need for an acceleration of the speed at which knowledge about cities and regions and how to act upon them is accumulated. The discipline is under pressure to increase its rate of development if, in conjunction with other disciplines, society is to have the tools necessary to deal with emerging urban conditions and environmental difficulties. Our contribution to this needed acceleration is the proposed Ph.D. program. . . . This will give the Department a new relationship to other departments offering new opportunities for exchange of ideas. . . .

"The broadening of interest in the field throughout the University and the proposed Ph.D. program . . . must raise for review the question of the institutional position of the discipline. In the University of British Columbia planning has now achieved the status of an independent school within the graduate school."

Landscape Architecture listed its strengths and weaknesses. The strengths, its statement said, were self-direction, providing freedom to select "in such a way as to obtain a personalized education"; personal involvement of students and staff in decision-making; clarity of established objectives and content of educational material; involvement of students in real issues, with "the world as classroom"; resource persons brought in from related fields, both academic and professional; active interplay among student groups; informal learning environment, small classes (15 or 16 a year), flexibility of physical space, autonomous departmental administration, and "personal and human" admissions.

Weaknesses: "Outside courses — first year courses elementary, repetitive and time-consuming; external communications — stronger relations with other departments, more offered to the University, and information out-flow; uncertainty in academic space requirements and financial policy matters."

Its future directions, the Department said, lay in "greater involvement in real problems and public issues; information sharing, community activity and political involvement; controlled growth characterized by interaction of small groups, and a graduate program."

Annan to speak at Scarborough

Lord Annan, Provost of University College, London, will give a special lecture on "What is a university for, anyway?" at Scarborough College at 8.30 p.m. Monday, Jan. 18. There is no charge for admission and no tickets are required.

Noël Annan, who has been a life peer in the House of Lords since 1965, is one of Britain's leading educationists and a noted public speaker, who speaks in the Upper House with special authority on educational and cultural matters. He was at one time Provost of King's College, Cambridge (of which he is a graduate) and was on the planning boards of the new Universities of Essex, East Anglia, and Brunel.

During his stay in Toronto, Lord Annan will appear before the provincial Committee on Post-Secondary Education.

Future of architectural education as seen by Dr Howarth in 1964

At the 1964 staff seminar of the then School of Architecture, Dr. Thomas Howarth, the Director, now Dean of the Faculty, gave a paper outlining his thoughts on the future of architectural education at the University of Toronto. His paper, it has been said, was prophetic in a sense and has become more significant in the light of subsequent developments, which include the establishment of the Presidential Advisory Committee to consider the structure of the Faculty and its future.

Extracts from Dr. Howarth's paper follow:

It would seem that we have now (1964) reached a stage in our cultural development at which certain important decisions must be made in order to adjust the professional structure and our academic curricula to the needs of our time. All of us are beginning to appreciate the seriousness and immediacy of the problems created by an increasing population on the one hand, and by phenomenal scientific and technical progress on the other. The vast increase in human knowledge over the past decade has made us acutely aware of our own individual limitations, and of the artificial barriers to cultural and intellectual development created by narrow professionalism and departmentalism. . . .

The North American architect and planner has an almost pathological fear of outside competition — of the package dealer for example — and worries continually about his status in society and his public "image". This is not altogether illogical, since in the changing professional scene the precise areas of his activity can no longer be clearly defined — where, for example, does architecture end and planning begin; what, in fact, should be the relationship between the architect and the landscape designer?

One of our first objectives, then, might be to define our terms, and although we may not agree upon a precise definition of the description "architect" in its modern context, this does not mean necessarily that we will be unable to revise the curriculum to meet more adequately future needs. In fact it may be that we will arrive more surely at a definition by this indirect route.

We might try so far as we are able to determine the kind of professional world our students will encounter when they graduate five years hence and to prepare them for it. It is important to remember also that the graduate is not normally effective in practice until he reaches the age of 30 in the case of the very bright individual, and 40 in the case of the average man. This means that we should be preparing our students for the world of the late 1970s and laying the cultural and intellectual foundations for the 1980s. However, we must not overlook the fact that improved teaching methods, at school and university, more intensive courses, greater rationalization of office procedures, and new planning and building methods and techniques, may accelerate the educational process, and reduce considerably the period of practical training now considered necessary. These factors are usually overlooked by those who advocate longer courses, and more varied curricula. I would suggest that we might take the opposite view, see where we can reduce time spent on studies that may in five or ten years' time be largely redundant, and where we should introduce new material that will be more valuable to the future graduate.

We should direct our attention, therefore, to two problems: improvement of our present curriculum to meet known and anticipated requirements; and preparation of a long term imaginative plan that could be adapted to meet conditions that may emerge if our scientific and technical development continues uninterrupted at its present rate. . . .

In ten years' time or less the science of electronics may have greatly reduced if not eliminated much of the present technical content of our courses, simplified drafting techniques, and reduced to an even finer art the creative design process — or shortened the "intuitive leap"! . . . We will have to consider

seriously the place of computer science, statistics and methods, and information retrieval in our revised curriculum.

The most marked change in the profession in the past few years — notably that part of the profession which practises in the major urban centre — is the rapid growth of large firms with highly specialized departments, and the formation of groups or consortia to design projects that may involve millions of dollars and acres of land — for example the Toronto-Dominion Centre and the extension to the government complex at Queen's Park. It would seem inevitable that this kind of group-practice with extensions into the fields of planning, landscape and engineering will become even more common as the great metropolitan areas coalesce, and we are forced to project new towns and cities in areas that are usually described now as "undeveloped". If we think in these terms, as indeed we must, it will be evident that the present concept of the architect's education may have to change, and change radically if we believe that some degree of specialization is not only desirable but essential and that the architect-planner is the man who could and should be taking the lead in the physical aspects of urban design and civic development. In this latter regard we must strengthen very considerably our graduate program in that area where architecture and planning come together, which at the moment is more loosely referred to as urban and/or civic design. . . .

It should be emphasized that the architect-planner, environmentalist, physical planner, or whatever we choose to call him, will have to have a deeper understanding of certain allied subjects than has been possible hitherto — for example, an understanding of political, social and economic change and the tensions that arise between progressive and reactionary power groups in these areas. . . . Thus we must ensure that undergraduate students with special interests can read courses in other departments, optional courses perhaps, that have not hitherto formed part of the normal architectural curriculum.

In our Division of Town and Regional Planning . . . we now need to explore with our non-architect colleagues the possibility of finding solutions to the many problems of urban living. . . . At the practical level such work would include transportation, housing, population density, etc.; at the economic, socio-political level we could examine the very nature of urban life itself and, perhaps, make our contribution to the long history of Utopia, the ideal city community. Springing from this general study, it is my personal hope that we will be able to build up a graduate program of tropical architecture and planning, to parallel a similar program devoted to the community in the north. . . .

Since we cannot predict with any degree of accuracy what professional demands will be over the next 20 years, our objective should be to produce, by the end of the third year, possibly by increased concentration, the well-educated generalist. By this I do not mean an individual who has dipped into several Arts subjects but a man who has passed through a course designed to extend him intellectually as well as to develop his imagination and design skills. . . . Beyond the third year, a degree of specialization could be permitted in, for example, architectural design, urban design, technology, theory and criticism, and so forth. . . .

For the purpose of discussion several pertinent questions can be asked regarding our present undergraduate curriculum (of 1964) which, we recognize, needs revision. For example:—

1. Is there any particular merit in a course of 5 years duration? Should it be extended, or could it be reduced?

2. Could the traditional two-term year be changed with advantage to three? What effect might this have academically, professionally and economically, on the student?

3. Since we know that concentration and continuity are important for studio

work, should we introduce a summer course devoted to this activity, or attempt to concentrate more lectures and examinations in the first term?

4. In the light of changing conditions do we require all our present lecture and lab. courses? What changes in subject and content should be recommended? For example:—

(i) Should we take advantage of the Registration Courses by omitting certain subjects from our curriculum? Should we relinquish our educational responsibilities even in the so called "professional areas"? (ii) To what extent should we introduce completely new material, e.g. cost analysis; critical path; computer science?

5. Recognizing the fact that many students have special interests and aptitudes how, and at what level in the course, should a degree of specialization be introduced?

6. Should we consider changes in our general philosophy, as demonstrated by our studio and lecture program?

Dr. Howarth's paper was accompanied by diagrams of alternative structures (which were presented in slide form to the Senate) illustrating:

(i) the existing situation (1964):

Seminar in Irish Studies 1971 will honour J B Yeats and Synge

The theme of the 1971 Interuniversity Seminar in Irish Studies is "Theatre and the Visual Arts: A Centenary Celebration of John Millington Synge and Jack B. Yeats". Sponsored by the Canadian Irish Studies Committee, under the direction of Prof. Robert O'Driscoll, the symposium's activities will include lectures, dramatic presentations, exhibition of Yeats' paintings, receptions and banquet. Detailed program follows:

Wednesday, Feb. 10

7.00 p.m. Registration, reception and official opening by His Excellency the Irish Ambassador to Canada

8.30 p.m. "Theatre and the Visual Arts," a panel discussion; chairman, A. N. Jeffares; panel: W. H. Auden, Buckminster Fuller, Michael MacLiammoir and Marshall McLuhan

Late Night Play: *A Full Moon in March* by W. B. Yeats, directed by James Flannery and performed by the University of Ottawa Drama Guild (At the Arts and Letters Club)

Thursday, Feb. 11

10.00 a.m. Chairman, John Kelly, University of Kent, Canterbury; "John Synge and the Drama of his Time" by Clifford Leech, U of T

11.30 a.m. "Jack Yeats and the Obsolete Myth" by Brian O'Doherty

2.30 p.m. W. H. Auden will give a reading of his own poems at Convocation Hall

5.00 p.m. Opening of Exhibition of Jack Yeats' paintings by his niece Anne Yeats at Hart House Gallery. The catalogue has an introduction by Lord Kenneth Clark

8.30 p.m. Chairman, William Withrow, Director, Art Gallery of Ontario; Lecture on Jack Yeats by James White, Director of the National Gallery of Ireland. Great Hall, Hart House

10.00 p.m. Marshall McLuhan will open an exhibition and sale of paintings by Michael O'Nuallain, a contemporary Irish painter. East Common Room, Hart House

Late Night Play: *A Full Moon in March* (Arts and Letters Club)

Friday, Feb. 12

10.00 a.m. Chairman, David Clark, University of Massachusetts; "Synge and Some Companions, with a note concerning a walk through Connemara with Jack Yeats" by Ann Saddlemyer, University of Victoria

11.30 a.m. "Something of Great Constancy: The Rhythms of Synge's Prose" by Lorna Reynolds, University College, Galway

12.45 p.m. Exhibition and sale of prints based on W. B. Yeats' *Wind Among the Reeds* by Jean Townsend

2.30 p.m. Chairman, Liam Miller, The Dolmen Press; "The Plays of Jack B. Yeats" by Robin Skelton, University of Victoria

8.30 p.m. *The Heart's A Wonder*, musical version of *Playboy of the Western*

architecture five years to B.Arch. and three years to professional registration (Planning was a one-year graduate diploma course).

(ii) a two-tier system — three years of general studies permitting a wide choice with two or three years of "professional" studies, in areas such as architecture; technology (building science); humanities (behavioural and social sciences); management; urban design, etc.

(iii) a two-tier system of a first stage leading to either a B.A. or B.Sc. degree with some technical and "professional" context, followed by three years of concentration in the area of choice (architecture, planning, landscape, etc.).

(iv) a modified two-tier system with one year of general studies followed by three or four years of "professional" studies with gradually increasing concentration.

The basic principle is that the "general studies" stage should be interdisciplinary with opportunities for good communication at student and staff levels; the difficult choice of "career" (or specialty) being deferred while the student establishes himself, and develops his individual potential.

World by Maureen Charlton. Directed by Alan Lund and presented by the Irish Theatre Society with the cooperation of the Faculty of Music, U of T. Through Feb. 20 at the MacMillan Theatre, Edward Johnson Building

Late Night Play: *A Full Moon in March* (Arts and Letters Club)

Saturday, Feb. 13

10.30 a.m. "Synge, Yeats and the Tragic Understanding" by Balachandra Rajan, University of Western Ontario

11.45 a.m. "Synge's Pastoral Comedy" by Vivien Mercer, University of Colorado

The above are at McMaster University; chairman, Norman Shrive

6.00 p.m. Official reception for all participants given by the City of Toronto at City Hall

8.00 p.m. Banquet; chairman, Suheil Bushrui, American University of Beirut; guest speaker Walter Starkie

10.00 p.m. Informal concert of Irish music by Sean O'Riada; songs by Treasa O'Driscoll

Late Night Play: *A Full Moon in March* (Arts and Letters Club)

Sunday, Feb. 14

10.30 a.m. Chairman, Alan Schneider; Film by Samuel Beckett

10.50 a.m. "Humour and Technique in Synge and Beckett" by Alec Reid

12.00 noon "The Technique of Jack Yeats' Painting and Plays" by Francis Warner, St. Peter's College, Oxford

Except where otherwise stated all sessions will be held at Brennan Hall, St. Michael's College.

Registration fee of \$20 (students \$9) should be sent to Gully Stanford, Seminar Secretary, St. Michael's College (telephone 921-3151). Fee covers all receptions and activities, except dramatic performances and banquet. Those interested should register before Feb. 1 — attendance is limited.

New chairman is sought for East Asian Studies

Prof. A. K. Warder has indicated his wish to resign as Chairman of the Department of East Asian Studies at the end of this session, Dean A. D. Allen, Faculty of Arts and Science, announces. The following committee will look for and recommend a successor to Prof. Warder:

Dean Allen (Chairman); Associate Dean G. A. B. Watson; Associate Dean J. H. Parker (representing Dean Baines, School of Graduate Studies); Profs. J. J. Chew (Anthropology); D. Johnston (Political Economy); R. B. Parker (Centre for the Study of the Drama); R. M. Savory (Islamic Studies); K. Tsuruta (Department of East Asian Studies); N. Wagle (East Asian Studies); A. H. C. Ward (East Asian Studies), and R. J. Williams (Near Eastern Studies — University College).

Pass motion to keep Scarborough in U of T 'for foreseeable future'

At the first meeting in 1971 of the Presidential Advisory Committee on the Status and Future of Scarborough College, Prof. Edward F. Sheffield introduced this motion:

"That the committee resolve that its report should reflect the firm view that, for the foreseeable future, Scarborough College should remain a part of the University of Toronto."

The motion was passed — for, 15; against, 2; abstentions, 9.

The Committee also decided to set up three new sub-committees. The terms of reference and membership of each were left to the discretion of the chairman, Prof. Kenneth Hare, but it was suggested that one sub-committee might examine general academic problems, the second study problems relating to the nature, terms and methods of academic appointments, and the third investigate administrative and financial matters.

At the final Committee meeting of 1970, Prof. J. C. Ritchie, chairman of Life Sciences at Scarborough College, proposed amendments to the report of a sub-committee, headed by Prof. Sheffield with Scarborough Dean John S. Colman and Vice-President and Provost John H. Sword as additional members. The report had recommended that the College "should remain a part of the University of Toronto, but with more autonomy".

Prof. Ritchie moved that the following be included in the recommendation of the Sheffield sub-committee:

"An intrinsic feature of Scarborough College is that it has been developed on a new campus. All relevant ramifications of this fact must be accounted for in future development. The campus might well become the site of new faculties or institutes, or of existing faculties or institutes transferred from elsewhere. Any such developments should form part of a coherent academic plan.

"By 1975 the status of Scarborough College should be changed to that of either an independent institution or a fully autonomous university with a Confederated University of Toronto."

His amendment was carried — for, 12; against, 8; abstentions, 6.

The sub-committee report

The text of the sub-committee report follows:

The sub-committee of three was named on Nov. 18 and asked to suggest by Dec. 16 an outline of the status and future of Scarborough College, stressing the academic aspects of the situation.

Taking into account the evidence presented to and discussed by the main committee from the time of its first meeting on Sept. 22, 1970, and additional memoranda and data presented to the sub-committee, we have prepared an outline of what we hope may serve as the basis of the main committee's recommendations — what might be called a blue paper on freedom and security for Scarborough College.

It is recognized that any set of arrangements may or may not prove satisfactory in future years. Therefore, these arrangements should be reviewed if and as the need for review becomes apparent.

1. Association with the University of Toronto

During the early years of its development, Scarborough College has been linked to the University of Toronto at all levels. During the forthcoming years, the College should remain a part of the University of Toronto, but with more autonomy.

2. Undergraduate Studies

(a) Scarborough College should offer programs leading to a first degree in Arts and Science and possibly programs leading to first degrees in certain professional fields.

(b) These programs should be planned and operated by Scarborough College, by authority of the University Senate (or its successor body), without formal reference to faculty or departmental authorities on the St. George campus.

(c) Scarborough College students should work towards University of Toronto degrees, conferred by authority of

the University Senate (or its successor body).

(d) The minimum admission requirements of the University should apply to Scarborough College as to other parts of the University.

(e) Arrangements should be made, as far as may be practicable within the limitations of transportation, timetabling, etc., for students in each part of the University to have access to the academic resources of other parts of the University, including library resources and courses offered by other parts of the University.

3. Research and other Scholarly Pursuits

(a) The personal research and scholarly pursuits of the academic staff of the College should be encouraged and facilitated.

(b) Such research and scholarly pursuits should be subject to University and College policy in such matters.

4. Graduate Studies

(a) Scarborough College should not itself offer programs leading to advanced degrees.

(b) All graduate work by Scarborough College faculty should continue to be under the jurisdiction of the School of Graduate Studies.

(c) Members of the academic staff at Scarborough College should have access to the School of Graduate Studies either through an existing "graduate department" or by arrangements devised for the purpose.

(d) Graduate services by the College and its staff, whether performed at Scarborough or elsewhere in the University, should be paid for by the University as under 7 (b) below.

(e) Graduate students requiring laboratory places for research or other special facilities should be taught at the College only if the University or the Province makes appropriate additions to the College's capital entitlement.

5. Staffing

(a) Each member of the academic staff at Scarborough College appointed with effect before July 1, 1972, should continue to hold appointments in both the College and a Department, except that individuals should be permitted to change their status to that under 5 (b).

(b) Appointments to Scarborough College effective on or after July 1, 1972, should be "to the University of Toronto at Scarborough College". They should be recommended by the appropriate College officers to the President of the University.

(c) For appointments under (a) or (b), tenure should be defined forthwith as "tenure in the University of Toronto at Scarborough College".

(d) By agreement between the College and the Faculty concerned, faculty members could be seconded or loaned full time by the University to the College or by the College to the University for specified periods.

(e) Faculty members could be cross-appointed from the University to the College for part-time service at the undergraduate level or from the College to the University for part-time service at the graduate level, or the undergraduate level, or both.

(f) Consultation and co-operation between staff on the two campuses in such matters as recruitment and appointment of staff, course offerings, teaching methods, research projects, seminars, colloquia, etc. should be expected and encouraged on both campuses.

(g) The University salary scales and benefits would apply to Scarborough College staff as to all University staff.

(h) Recommendations regarding promotion, tenure and salary should be made by the unit whose budget normally provides for the staff member concerned.

6. Administration

(a) The College would manage its own affairs, under the authority of the University Board of Governors.

(b) To the extent required by economy and efficiency, Scarborough College would continue to make use of the

central administrative services of the University.

7. Finance

(a) The revenue available to the College would be:

(1) The provincial grants, operating and capital, paid to the University on the basis of the Scarborough undergraduate entitlement.

(2) Fees paid by students enrolled in Scarborough courses.

(3) Other revenues related directly to Scarborough activities and services.

(4) Gifts, bequests, etc. together with an appropriate share in the proceeds of any general fund-raising by the University.

(b) Charges for teaching and other services, space, etc. rendered by the University to the College and by the College to the University would be made on systematic, agreed bases, and a net transfer of funds arranged at least annually.

8. Structures and Government

The structures and governing bodies of the College and the University should be reviewed and, if necessary, modified to suit the new roles to be played.

9. External Relations

(a) The University, not the College, should hold membership in or undertake discussion of policy with such bodies as the Committee of Presidents of Universities of Ontario and the Ontario Committee on University Affairs.

(b) If the terms of membership of the Association of Universities and Colleges of Canada allow (as seems likely) the College might become a member of that body in its own right.

10. Timing

In order that new arrangements may be effective in the year 1972-73 all authorities concerned will need to have approved before November, 1971.

Mr. Rankin's Statement

Alex G. Rankin, Executive Vice-President (Non-academic) commented on the financial relationship between the College and the University in a statement prepared in response to a statement submitted by Principal A. F. Wynne Plumptre, a summary of which was published in the Dec. 17 *Bulletin*.

I regret that it was impossible for me to attend last week's session and to participate in the discussions on the memorandum given by the Principal. I have studied Principal Plumptre's memorandum. In discussing the budgetary problems of the College, the Principal requests the implementation of a clear policy which will provide a firm basis for budgeting. In this request he has my complete support.

His memorandum clearly identifies the chief area of difficulty — namely, the inter-campus transfers — one of which represents charges to the University for services rendered by Scarborough Col-

lege in the Graduate School. The other represents an overhead charge to Scarborough College for services supplied by the University. For the past two years, due to unusual circumstances, the amount of these inter-campus transfers was not settled until late in the year and they were dealt with on an *ad hoc* basis rather than on a basis of an enunciated policy.

There were no overhead charges assessed by the St. George campus for the first five years of operation at Scarborough. You may be assured that there were many costs in this period relating to the Scarborough campus which were borne by the St. George budget. The academic staffing, the physical planning and the control of construction were major areas of expense, but the University of Toronto was in a financial position to carry these costs. It was only when the University was faced with operating deficits of considerable magnitude that the decision was made to allocate to Scarborough and Erindale some part of the costs of services which were common to the three campuses. The amounts allocated were extremely modest, but the decision to assess such overhead for 1968-69 and again the decision to increase the rate from 3% to 5% of revenue for 1970-71 was only conveyed to Scarborough at a very late date in the year. Obviously, we must develop a formula for the distribution of certain central costs on the St. George campus as between the users; namely, Scarborough, Erindale, The College of Education and the St. George campus. This will involve a cost study which will be undertaken immediately and an agreement as to a reasonable basis for allocation. This I believe could best be done in smaller committees to be established by the Chairman.

Charges to the St. George budget for graduate instruction commenced in 1965-66 and are of considerable magnitude. To date these charges have been entered in the St. George budget as a lump sum. I would like to see the charges for services in the Graduate School agreed as between the respective departments on the two campuses so that the cross-charge to St. George can be picked up in the respective departmental budgets. Obviously the present method of charging 20% of total academic salaries at Scarborough as constituting its contribution to the Graduate School is very unsatisfactory. It does not necessarily follow that as the staff on the Scarborough campus is increased, the need for graduate teaching will increase at the same pace. However, these are details which must be thrashed out in smaller committees. Solutions to these problems must be found so that the Scarborough Budget Committee will know where it stands before it commences the difficult chore of budgeting.

British Scientist Jack Dainty to become chairman of Botany

Jack Dainty, professor of botany at the University of California, Los Angeles, since 1969, has been appointed professor and chairman of the Department of Botany, effective next July 1.

Prof. Dainty, born at Mexborough, Yorkshire, England, in 1919, took his B.A., with first class honours, in mathematics and physics at the University of Cambridge; his M.A. at Cambridge in 1943, and obtained a Doctor of Science degree at the University of Edinburgh.

He began his professional career as a research physicist at Cambridge and later was research fellow at Pembroke College, Cambridge. He came to Canada in 1946 to be a research physicist with Atomic Energy of Canada at Chalk River. Returning to Britain in 1949, Prof. Dainty for the next 20 years was, first, lecturer, senior lecturer and reader (head of the biophysics department) at Edinburgh; then, professor of biology at the University of East Anglia. He went to UCLA in 1969.

Prof. Dainty holds the Stokes' Medal of the University of Cambridge and the medal of the University of Brussels. He is a Fellow of the Royal Society of Edinburgh and has been a Royal Society

Commonwealth Fellow to Australia and a Visiting Nuffield Professor to Canada. He is the author or co-author of more than 50 scholarly papers.

New building at CMRL

honours Dr Robert Defries

On Nov. 20 the Robert D. Defries Building at the Dufferin Division of the Connaught Medical Research Laboratories was officially opened by The Honourable Thomas L. Wells, Minister of Health for Ontario. Dr. O. M. Solandt presided at the opening ceremonies. Dr. C. H. Best, who was among the platform party, is the last survivor of the group involved in the discovery of Insulin.

Dr. Robert D. Defries was Director of the Connaught Medical Research Laboratories, and also Director of the School of Hygiene from 1940 to 1955. The new building, most of which is devoted to Insulin production and research, has been named in honour of Dr. Defries because of his association with Insulin from its earliest days and his decisive planning in its development.

Graduate School administration urges inter-disciplinary flexibility

Summary of the Minutes of the Council of the School of Graduate Studies, December 15, 1970:

(In the absence of the President, Acting Dean W. Douglas Baines took the Chair.)

Minutes

Council approved the minutes of the meeting of November 17, 1970.

Business rising from the minutes

Employment of Ph.D.'s: Council had before it a report of recommendations ratified by the General Council of the Graduate Students' Union, and after a lengthy discussion about these it was agreed that the Chairman be invited to prepare for the next meeting of Council a set of resolutions for consideration.

Dean's report

(a) **Centre for Renaissance Studies:** Dean Baines reported that this project, approved by Council last year, was approved by Senate on December 11, 1970 and that he and Associate Dean Parker had been authorized to work on the details of the program for the 1971-72 session.

(b) **Committee on University Affairs:** Dean Baines referred to a preliminary indication given by the Committee on University Affairs on its response to the situation relating to the over-production of Ph.D. graduates. The matter would be brought to Council at a later date.

(c) **Committee of Presidents:** Dean Baines reported that the present calculations of the Committee of Presidents showed that expansion at the current rate would result in about 30,000 more University places being required in Ontario within five years, than are presently being planned.

(d) **Inter-disciplinary programs:** Dean Baines reported the view of the Graduate School administration that departments should be urged towards maximum flexibility in allowing students to participate in inter-disciplinary programs.

Reports of the Associate Deans

Division IV: Associate Dean Fallis reported that the Executive Committee had met recently to reconsider the proposal for the establishment of a program in Metabolic Control, but that discussion was still continuing.

59 scholars at U of T work in field of Renaissance studies

The principal objective of the Centre for Renaissance Studies, the formation of which has been approved by the Senate, is to provide a focus for the various units in the University concerned with work in the field.

The Centre will work closely with other centres and departments in sponsoring specific undertakings of mutual interest, encourage research and publication by staff and students, help prepare students for teaching in the field of Renaissance studies, build up the library collections and strengthen general resources, and encourage the extension of Renaissance studies in collateral areas where there are no specialists, such as in law, mathematics, medicine and philosophy.

It is proposed that the new Centre will accept graduate students working toward the M.A. and Ph.D. in Renaissance studies.

To head the Centre there will be a director, assisted by an academic secretary and supported by an advisory committee, one member of which will be a representative from the executive committee of the Centre for Medieval Studies.

A report to the Senate said that 59 scholars at the University are actively engaged in work connected with Renaissance studies, teaching 82 courses in nine departments. A major work now under way is the publication of the works of Erasmus in translation, which is being

Division I: No report.

Division II: No report.

Division III: (i) it was agreed that the Electrical Engineering course "Control System Practice, 1615X" be graded as a "Pass/Fail course". (ii) Council approved the proposal of the Department of Mathematics to engage in M.Sc. work on a part-time basis.

Consideration of Ph.D. Senate oral regulations

It was agreed that regulations governing the examination of Ph.D. candidates should be amended to read as follows:

"1. The candidate shall defend his thesis at the Senate Oral Examination. This examination is normally scheduled at the request of the Department in which the student is registered. It will be scheduled upon the student's appeal to the Dean of the School of Graduate Studies at any time after fulfilment of residence and course requirements and the submission of the thesis.

"2. The Examining Committee must examine the candidate on the content and implications of his thesis. In addition to determining the adequacy of the thesis, the Committee must satisfy itself that the thesis document meets the proper standards of scholarship.

"3. In the event of adjournment, the Examining Committee must decide the approximate date of the reconvening of the adjourned examination. The time between the adjourned examination and the reconvened examination should be as short as circumstances will permit and in no case shall exceed one year. As soon as the Committee has determined the approximate date the candidate shall be advised of this."

Review of Centres and Institutes

Council had before it a paper from Dean Baines on a proposal for planning and review of Centres and Institutes approved by Council on June 17, 1969. Speaking on the paper, Dean Baines outlined the practical difficulties of implementing the decision of Council on June 17, 1969, and invited a proposal that this decision be rescinded and that the Dean be asked to request Executive Committees of the divisions to review the operations of their Centres and Institutes. This was agreed.

co-ordinated by Prof. D. F. S. Thomson, Department of Classics, University College; the Rev. James K. McConica and the Rev. Richard J. Schoek, both of St. Michael's College.

There is already a degree of co-ordination in the field between the Toronto Renaissance and Reformation Colloquium and Victoria's Centre for Renaissance and Reformation Studies. The CRRS was founded in 1964 as a graduate and post-graduate research institute, operating in close association with the 59 Renaissance scholars on campus. This Centre has a library of 11,000 books and photo copies and an extremely valuable collection of the works of Erasmus. The TRRC, also established in 1964, meets four times a year, with scholars on hand from other universities as well as U of T. Its membership totals 85, from 17 institutions.

Of special benefit to the new Centre for Renaissance Studies will be the library holdings on campus. The University Library has most of the important reference works and materials relevant to the study of the period from the year 1450 to the year 1650. The Music library has many Renaissance music manuscripts and scores, Knox College library offers a rich collection on Calvinist and Reformation subjects, and, of course, there is pertinent material in the Pontifical Institute for Mediaeval Studies, the Centre for Medieval Studies, and the CRRS.

STAFF NOTES

Arts and Science

PROF. W. G. DEAN delivered an invited paper on "A Simple Paradigm for the Structure of Regional Atlases" to the Department of Geography, University of Ottawa on Dec. 8.

DR. A. W. BREWER attended the meeting of the Associate Committee on Geodesy and Geophysics at the National Research Council in Ottawa on Oct. 30, and was chairman at the meeting of the Subcommittee on Meteorology and Atmospheric Sciences.

PROF. J. VAN KRANENDONK visited the University of Guelph on Oct. 30 and gave a seminar on "Relativity and Gravitation". He also visited McMaster University on Nov. 4 and gave a talk at the General Physics Colloquium on the same subject.

PROF. R. LIST was awarded a medal from Leningrad University for his research on hail and his contributions to the improvement of international scientific relations while organizing the International Conference on Cloud Physics in Toronto in 1968. He also accepted the invitation of the World Meteorological Organization to chair the Working Group on Cloud Physics and Weather Modification of the W.M.O. Commission for Atmospheric Sciences. Further, Dr. List accepted the position of Scientific Representative of the University of Toronto to the University Corporation for Atmospheric Research, the organization which runs the National Center of Atmospheric Research in Boulder, Colorado. (U of T recently became the first international member of U.C.A.R.)

PROF. V. G. MORACHEVSKY, Head, Department of General Meteorology at the University of Leningrad, was a visiting professor and distinguished guest in the Department of Physics for the period Nov. 1 to 17. He gave three lectures on phase transition, fog dissipation and cloud dynamics as well as a survey of the role of Meteorology in the U.S.S.R.

PROF. J. VAN KRANENDONK visited the University of Minnesota on Nov. 20 and gave a colloquium on "The Optical Properties of Solid Hydrogen".

PROF. W. W. ISAJIW gave a lecture at Carleton University on Dec. 7. The lecture was given at the invitation of the Soviet and East European Studies Committee. It dealt with the "Mechanisms of Change and Continuity in the Soviet Society."

Scarborough College

Recent seminars and addresses given by PROF. P. P. KRONBERG include a paper read at the XIVth General Assembly of the International Astronomical Union at Brighton, Eng. in August on "The Polarization Distribution in Two Radio Galaxies at a Wavelength of 21.1 cm"; a colloquium at the Department of Physics and Astronomy, University of Western Ontario, Oct. 29, on "Polarization Structure and Magnetic Fields in Extragalactic Radio Sources"; an address to the Royal Astronomical Society of Canada, London, Ont. Oct. 29, on "Some Recent Discoveries in Radio Astronomy".

PROF. JOHN S. MOIR attended the XIII International Congress of Historical Sci-

ences at Moscow in August, to deliver a paper in a symposium sponsored by the Commission for Comparative Ecclesiastical History. He also attended the meeting of the American Academy of Religion in New York, Oct. 23-25, as a respondent in a session on "Theology and Crisis in America". Prof. Moir spoke to the Institute for Canadian Religious Studies, St. Paul's University, Ottawa, on Nov. 16, on the subject, "The Development of the English-speaking Catholic Church in Canada during the Nineteenth Century".

PROF. ROBERT C. ROEDER visited the Centre for Research in Experimental Space Science at York University on Dec. 9 and delivered a talk on "Quasars and Cosmological Problems".

PROF. E. G. SCHWIMMER gave an address to the Department of Anthropology, University of Wellington, N.Z. on July 16 on "Sociology and Anthropology"; an address to Australia and New Zealand Association for the Advancement of Science, Port Moresby, for the symposium on "New Guinea Ethnoscience", Aug. 18; on "Notions about the Potency of Gifts among the Orokaiva"; two addresses to Prof. C. Lévi-Strauss' seminar on current research in anthropology, at the Laboratoire d'Anthropologie Sociale, Collège de France, Paris, Dec. 9 and 16 on "The Place of Conflict in the Ideology of Exchange"; and an address to the Centre de Recherches Comparées sur les Sociétés Anciennes at the Sorbonne, Dec. 18, for its comparative project on the nature of sacrifice, on "Pigs as Objects of Sacrifice in New Guinea".

Medicine

DR. K. W. C. BROWN has recently been appointed Governor of the American College of Cardiology for Ontario. He has also been appointed to the National Committee on Coronary Care of the American Heart Association. Invited lectures given recently were "Arrhythmias in Acute Myocardial Infarction", (Montreal, International Symposium on Advances in Electrocardiography); "Atrial Arrhythmias in Myocardial Infarction" (New York, Symposium on Coronary Care); and "Prevention of Fatal Ventricular Arrhythmias" (Atlantic City, American Heart Association Annual Scientific Session).

DR. NICHOLAS FORBATH attended the annual meeting of the Canadian Cardiovascular Society and the 43rd session of the American Heart Association. At both meetings he presented a paper entitled: "Studies on Myocardial Lactate Kinetics Using 14 C Labelled L + Lactate in Patients with Ischemic Chest Pain".

DR. H. A. HIMEL took part in the annual meeting of the Gerontological Society, Oct. 23 as a member of the panel on Kaposi Sarcoma (A Report of 10 Cases).

DR. A. RAPAPORT participated in the Fourth Annual Hoechst Workshop on Diabetes in Mont Cabriel, Quebec, Oct. 26 and 27 and gave a paper entitled "The Kidney in Diabetes". He also chaired the session on "Hypertension" at the course on "Recent Advances in Diagnosis and Management of Cardiovascular Disease" sponsored by Hoechst.

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Dr Harold Falls will give Walter Wright Lecture on Jan 29

Walter Wright Day, sponsored by the U of T Department of Ophthalmology, the Alumni and the Academy of Medicine, Ophthalmology Section, is Friday, Jan. 29.

The Walter Wright Lecture will be presented by Dr. Harold F. Falls, University of Illinois, Ann Arbor, whose special interest is in the muscles of the eye. He will speak on "The Eyelid as an Aid to Diagnosis" at 4 p.m. in the Main Lecture Theatre, Toronto General Hospital.

The morning's events will begin at 9 a.m. in the Auditorium of the Toronto Western Hospital, and those participating include Drs. D'Arcy Macdonald, J. Steiner, J. D. Morin, J. S. Speakman, P. Amalric, H. R. Hausler, W. G. Pearce, and M. H. Levine.

At 2 p.m. in the Toronto General Hospital Dr. P. L. Morton will take the chair and Dr. M. Ghosh and three Alumni will give papers. At 3 p.m. the photography contest will be held, and after coffee Dr. Falls will lecture.

The banquet will be held in the Roof Garden, Royal York Hotel, 7 for 7.30 p.m. Tickets, at \$12 per plate, may be

obtained from Dr. J. A. Beswick, Suite 12, Centenary Plaza, 2660 Ellesmere Rd., West Hill 760, Ont.

On Saturday will be Grand Wards Rounds at Toronto Western Hospital when Dr. Falls will be the guest, and Dr. G. A. Thompson, chairman.

Committee will select Medieval Studies Director

A Committee to Select a New Director for the Centre of Medieval Studies has been set up to name a successor to Dr. John F. Lcyerle, whose five-year term will have expired next June 30. Nominations may be forwarded to any member of the Committee, which consists of:

Acting Dean W. D. Baines, Chairman
Associate Dean J. H. Parker
Dean G. A. B. Watson
Prof. K. Feuer
Prof. A. R. Harden
Prof. R. B. Parker
Prof. R. M. Savory
Prof. L. K. Shook
Prof. J. G. Slater

STAFF NOTES

(Continued from page 5)

sored by the Ontario Heart Foundation on Dec. 3 and gave a paper on "Detection and Treatment of Renovascular Hypertension".

Dr. R. E. TURNER has been appointed chairman of the standing Committee of the Canadian Psychiatric Association on Psychiatry and The Law. He has also been named chairman of the new *ad hoc* Committee on Psychiatry and the Law set up by the Ontario Psychiatric Association.

Dr. P. M. YAP has been named as one of the correspondents to the new journal *Comments on Contemporary Psychiatry*, to be published by Gordon & Breach, Science Publishers, New York.

Mrs. DOROTHY M. BURWELL spoke at the Department of Civil Service (Problem Employee Seminar), Ottawa, and conducted a psychodrama session; then at the Ottawa Carleton Health Unit In-Service Training Program for Public Health Nurses she conducted a session on "Role-Playing; Psychodrama; Patient Interviewing". At the Faculty of Royal Victoria Hospital, School of Nursing, Barrie, Mrs. Burwell spoke at the one-day workshop on "Process Recordings". She conducted a session on psychodrama at the Northwest Chapter R.N.A.O. with York Branson Hospital. On Dec. 17 Mrs. Burwell was guest speaker at the Psychiatric Seminar at the Queen Street Mental Health Centre. She spoke on "The Role of Professional Staff in the Therapeutic Process".

Dr. NORMAN W. BELL has been elected the first chairman of The Group for the Advancement of Family Research. This Group was set up as a result of meetings held under the auspices of the Vanier Institute and the Canada Council. Dr. Bell addressed a meeting of the American College of Neuropsychopharmacology in December on "Significant Parameters of Family Interaction".

Law

DEAN R. ST. J. MACDONALD, Q.C., served as special adviser to the Canadian Delegation to the Twenty-Fifth Session of the United Nations General Assembly, with special responsibility for problems pertaining to human rights in the Third Committee and the declaration on measures to strengthen international peace and security in the First Committee.

Applied Science and Engineering

PROF. W. H. RAPSON has been re-elected National Chairman of the Technical Section of the Canadian Pulp and Paper Association. Dr. Rapson has been elected a Fellow of the Technical Association of the

Pulp and Paper Industry (U.S.A.) He has been made an Honorary Member of Asociacion Mexicana de Tecnicos de las Industrias de la Celulosa y del Papel, A.C., and the Associacao Tecnica Brasileira de Celulose e Papel.

PROF. V. KLEMES presented a paper on "Negatively Skewed Distribution of Run-off" at the International Symposium on the Results of Research on Representative and Experimental Basins, held in Wellington, N.Z. on Dec. 1-8. He also gave a lecture on "Problems Arising in Application of Stochastic Theory of Storage Reservoirs" at the University of New South Wales on Nov. 24, attended a symposium on Mathematical Modelling in Hydrology held at the Australian National University, Canberra, Nov. 25-27, and held a seminar on "Simulation of a Gamma-Distributed First-Order Markov Chain" at the University of Auckland on Dec. 11.

Dr. F. P. J. RIMROTT visited the Mechanical Engineering Departments of Imperial College, the University of Nottingham, the Loughborough University of Technology and the University of Newcastle from Dec. 7 to 11 as guest of the British Council.

PROF. C. B. ALCOCK was the invited speaker at the Conference on Ceramics in Severe Environments at Raleigh, North Carolina, Dec. 7 to 9 and presented the opening lecture entitled "The Corrosion of Ceramic Oxides by Atmospheres Containing Sulphur and Oxygen".

College of Education

The Annual Conference of the Ontario Educational Research Council, which was held at the Royal York Hotel on Dec. 4 and 5, once again had its program arranged by Assistant Dean H. O. Barrett. Profs. MACIVER and TAN-WILLMAN presented papers, while Profs. KONG, TROTT, and ZIMMERMAN attended as College delegates.

Dr. R. DENT was a resource person Dec. 1 and 2 in a conference on Northern Development held at Fort Churchill. He was invited by the Territorial Government of the Northwest Territories to present two sessions on Communication and Learning Theory as related to a Strategy for Modernization and Educational Development of Northern People. Representatives of the Yukon and Northwest Territories were present along with invited representatives from Alaska, Greenland and Northern Australia.

PROF. D. A. MACIVER presented a paper called "Theory and Criticism in Research" to the annual OERC conference on Dec. 5. Later on the same day Prof. Maciver attended an exploratory meeting of a reconstituted group called Ontario Teacher Edu-

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Scarborough - J. S. Moir, History.
Pharmacy - G. R. Paterson, History.
Institute of Policy Analysis - N. M. Meltz, Economics.
Social Work - Benjamin Schlesinger, Social Work.

ATS general meeting will be held on Jan 19 to revise constitution

A general meeting of the Association of the Teaching Staff will be held at 8 p.m., Jan. 19, in Cody Hall, School of Nursing, to consider proposed revisions in the constitution.

At a meeting on Dec. 15, the ATS Council passed this motion:

"The Council strongly endorses the recommendations of the University-Wide Committee for a new governing structure for this University. The Council notes that, while these recommendations differ somewhat from those made last spring by the ATS, they adhere to the essential principle of a balanced representation of public and University interests in a single governing body."

Prof. G. R. Thaler, Botany, Erindale College, has been elected chairman of the ATS policy committee and Prof. P. L. Mathews, New College, chairman of an *ad hoc* committee to study the Colman report on Extension.

Extension will offer program at the University of Nice in 1971

Summary of the minutes of the General Committee of the Council of the Faculty of Arts and Science held Nov. 30, 1970.

In answer to an inquiry from Prof. J. B. Conacher, Dean A. D. Allen said that the report of the Presidential Advisory Committee on Extension was being referred to the Committee on Undergraduate Studies.

Communications:

(a) From John Beatty, expressing appreciation for the resolution with respect to his late father, Dean Emeritus Samuel Beatty.

(b) From E. M. Gruetzner, Acting Director of Extension, with respect to a summer program to be offered in 1971 at the University of Nice, France. As a pilot-project, University of Toronto courses in French and English will be offered primarily to University of Toronto students for credit towards a degree. The instruction will be approved by the appropriate department chairmen of this Faculty.

(c) From the President of the Students' Administrative Council informing the Committee of the results of the Faculty-wide referendum with respect to the following statements:

"We request that no student participate in any meeting of the interim General Committee of the Council of the Faculty of Arts and Science until it has constituted a commission to restructure the faculty council. This commission to have equal staff/student membership and to report by March 1, 1971. (For - 4725, Against 1062).

"We request that the Council of the Faculty of Arts and Science be restruct-

ured to allow equal staff/student representation on a departmental and college basis. (For - 5141, Against 665)."

Approval was given to the report of the Committee on Admissions recommending:

(a) That the requirements for admission to first year in 1972-73 be unchanged from those of 1971-72.

(b) That the minimum age for qualification as a "mature applicant" in 1972 be 23 years.

(c) That applicants for admission to first year who complete the "Transitional Year" program offered by Innis College in 1970-71 be eligible for selection in 1971-72.

The Committee received the report of the Committee on Evaluation stating that it would make a recommendation to the General Committee at its meeting on January 4, 1971, with respect to the following regulation of the Council and requests for exemption from it: "That final examinations will normally be held in 100-series (Scarborough A-level) courses. Requests for exemption of courses from this regulation shall be brought before the Council".

By a vote of 81 to 39 the Committee agreed to accept the following resolution for debate:

"That this General Committee immediately set up a commission to make recommendations on the restructuring of the Faculty Council of Arts and Science. This commission to have equal staff/student representation and report on or before March 1st, 1971".

Moved by B. Morgan, seconded by Principal A. C. H. Hallett.

The motion was carried by a vote of 66 to 48.

Centre for Renaissance Studies in SGS approved by Senate

Summary of the Senate Minutes, December 11, 1970:

A resolution was read in memory of the late Mr. Forsey Page, a former member of the Senate who had died in November.

The minutes of the meeting of November 13, 1970 were approved.

The Senate received reports from the Faculty of Applied Science and Engineering, the Faculty of Architecture, Urban and Regional Planning and Landscape Architecture, and the Faculty of Food Sciences in reply to enquiries at the meeting of the Senate on November 13, 1970.

The Senate approved a recommendation from the Executive Committee in favour of a proposal from the School of Graduate Studies for a new course in Comparative Special Education.

The Senate approved the Report of the Committee on Scholarships and Other Awards, recommending four new awards, amendments to one existing award, and the termination of one award.

Applications invited for UNITAR Scheme

The Association of Universities and Colleges of Canada have been asked by the Department of External Affairs to bring to the attention of those interested the United Nations Institute for Training and Research (UNITAR), Officer Attachment Scheme, which is incorporating and enlarging upon its existing program.

Visiting scholars will be selected from among post-doctoral scholars and young academics with an interest in the subjects dealt with by UNITAR. The research interns will be selected among graduate students with an excellent academic record in such fields as international relations and law, government, economic and social sciences. Persons with a good degree in the same or other disciplines are acceptable for administrative and training internships.

Early submission is recommended. Candidates should be sponsored either

The Senate approved a Report of the Committee on Admission Standards, recommending that (a) the published admission requirements remain unchanged for the 1972-73 session, with the exception of minor changes in the Faculty of Applied Science and Engineering and the School of Physical and Health Education and (b) that the mature student age be reduced to 23 years of age for the 1972-73 session, in keeping with a recommendation approved by the Senate in January, 1970, that a "two-stage" reduction from 25 years to 23 years was desirable.

The Senate approved a Report from the Committee on University Extension recommending three new programs in the 1970-71 session, and noting an increase of twenty-five percent in Degree courses enrolment, and a decrease in enrolment in the Continuing Education Program.

The Senate approved a statute respecting the establishment of a Centre for Renaissance Studies in the School of Graduate Studies.

by their Government or by a university or institution with which they are connected. The Department of External Affairs has no means of extending financial support.

Further information may be obtained from Guy P. d'Auray, Director of Awards, OAUC, 151 Slater St., Ottawa 4.

Librarians' Association

The Librarians' Association of the University of Toronto has now been formally recognized by the Board of Governors. This Association, formed in November 1969, is open to all graduate librarians of the University and its affiliated colleges and institutes, and to certain other personnel with equivalent qualifications. Inquiries should be directed to the membership chairman, Mrs. Barbara Mann (3153), or the secretary, Mrs. Linda Gibson (2307).

Canada Council leave fellowships given to 33 U of T professors

Thirty-three University of Toronto professors have been granted leave fellowships in the humanities and social sciences by the Canada Council. They are among 154 successful candidates in the annual competition held by the Canada Council in universities across the country.

The fellowships, worth up to \$7,000 each, help faculty members to take sabbatical leave for research in the subjects they teach. Total value of the fellowships is \$1,200,000.

Names of the University of Toronto winners and their disciplines follow:

Arts and Science - A. J. Arrowood, Psychology; J. C. Cairns, History; G. K. Helleiner, Economics; W. M. Johnson, Fine Art; R. A. Manzer, Political Science; J. A. May, Geography; Kunio Murasagi, Mathematics; F. W. Peers, Political Science; Abraham Rotstein, Economics; M. E. Wallace, Political Science; G. C. Walters, Psychology.

University College - J. J. Carroll, English; A. R. Curtis, French; H. B. De Groot, English; C. P. Jones, Classics; Mrs. A. C. Lancashire, English; A. M. Leggatt, English; P. F. Morgan, English.

Victoria - J. A. Carscallen, English; Miss A. F. Johnston, English; D. W. Smith, French; C. D. E. Tolton, French.

St. Michael's - P. B. Bilaniuk, History (Religious Studies); W. B. Dunphy, Philosophy; Sister C. M. Grise, French.

Trinity - D. J. Conacher, Classics; W. S. Rogers, French; M. J. Sidnell, English; R. L. Whitney, English.

STAFF NOTES

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cators. Further meetings are planned to assess the needs of those involved in teacher education in Ontario.

PROFS. H. FINNEGAN and A. WARNER were present at the convention of the American Vocational Association in New Orleans from Dec. 5 to 9. The theme of the Home Economics Program was "Role of Evaluation in Home Economics Program Planning".

PROF. D. W. ALEXANDER has been named by the Ontario Association of Teachers of Mathematics as Conference Chairman for a Toronto conference of the National Council of Teachers of Mathematics to be held in November, 1973.

PROF. R. J. JONES was invited to the semi-annual meeting of the Norfolk County Modern Language Department Heads, held on Nov. 17 at Lakeport Secondary School, St. Catharines, to speak on the topic "An Eclectic Approach to the Teaching of French".

Ontario Institute for Studies in Education

PROF. JAMES A. DRAPER gave a paper "A Study of the Part-Time Teachers of Adults who are Full-time Elementary or Secondary School Teachers" at the 12th Annual Conference of the Ontario Educational Research Council Dec. 4.

Dentistry

Graduates and former staff members will learn with regret that COLIN ROUS passed away on Dec. 9, at the age of 86. He was Secretary of the Faculty of Dentistry from the time it became a part of the University in 1925 until his retirement in 1956. He also taught some of the pre-dental and dental nursing courses of that time. During World War II he served with the Canadian Dental Corps, rising to the rank of Lt. Colonel. Although his health had failed somewhat in recent years, he was a regular attendant at the Faculty's graduation dinners, where his company will be missed by his many friends and former associates.

Pharmacy

DEAN F. N. HUGHES attended the meeting of the Association of Deans of Pharmacy of Canada in Winnipeg on Nov. 4. He also attended a meeting of the Canadian Deans of Pharmacy with senior officials of the Food and Drug Directorate in Ottawa, Nov. 11.

Physical & Health Education

PROF. K. A. W. WIPPER addressed the Etobicoke Teachers' Outdoor Education Workshop on Oct. 17 on "A Philosophy for Outdoor Education". He attended the meetings of the Outdoor Education National Council in Michigan, Oct. 21-22, as liaison member from the Canadian Council; addressed the National Conference in Outdoor Education at Gull Lake, Mich. on Oct. 23 on "The Pursuit of Vertigo and its Implications for the Outdoor Education

Movement"; and addressed Peel County Outdoor Education Workshop on "A Philosophy for Outdoor Education on Oct. 31.

The School hosted the annual Ontario Universities' Physical Education Association Seminar in December. The event was co-sponsored by the Ontario Institute for Studies in Education. DR. J. H. EBBS was panel chairman. The following papers were presented: "Man and the 'Natural' Environment" by Prof. Wipper; "Man Moving in the Underwater Environment" by Prof. C. A. MCCATTY; "Interaction of Movement and Rehabilitation" by Prof. M. E. BERRIDGE; "The Emperor's New Clothes" by DR. R. E. STONE.

PROF. SHEILA ROMEIKO attended the Women's National Aquatic Forum in Ft. Lauderdale, as the Canadian representative and member of the Executive and Advisory Board of Directors. She was a panel leader and presented a brief paper outlining the results of a recent study done at U of T in conjunction with C. McCatty and R. Campbell.

Social Work

DR. FRANCIS BREGHA on Oct. 23 attended the meeting of the Accreditation Board of the Canadian Association for Education in the Social Services in Montreal and assumed responsibility for drafting educational objectives for the BSW programs in Canada. On Nov. 20 he was chairman of a sub-committee of CAESS Accreditation Board working on standards for accreditation.

DR. HOWARD IRVING conducted a workshop seminar on "Family Therapy" to social work staff of St. Joseph's Hospital in Hamilton.

DR. ALBERT ROSE presented a paper on "New Patterns of MSW Education: The University of Toronto Experience" at the annual meeting of the Canadian Association for Education in the Social Services, held in Winnipeg, Nov. 2-3.

DR. BENJAMIN SCHLESINGER on Nov. 6 delivered a paper on "Communicating with Parents" at the Conference on the Exceptional Child, Inn on the Park, Toronto. On Nov. 6 he also spoke to the Hamilton Jewish Community Centre on "Is the Jewish Family Obsolete?" and on Nov. 10 to the Canadian International Development Agency Briefing Centre, Ottawa, on "The Role of the Canadian Family Overseas".

School of Hygiene

DR. DAVID HEATH, Australian Meat Board, Australian National University, Canberra, Australia, visited the Department of Parasitology, Nov. 26 and 27 and gave a lecture on "The Biology of Cysticercosis - A Cyst in Time Saves Nine".

DR. S. S. DESSER was an invited participant in a colloquium on *Leucocytozoon* held Nov. 19 and 20 at the Patuxent Wildlife Refuge, Laurel, Maryland.

DR. S. B. McIVER presented a paper on "Fine Structure Studies on the Carbon Dioxide Receptors of Female Culicine Mosquitoes", to the American Entomological

Society meeting, Nov. 30 to Dec. 3, at Miami.

PROF. J. R. BROWN was elected president of the Health League of Canada at the annual general meeting on Dec. 2.

DR. A. J. RHODES was invited to attend the International Conference on the Application of Vaccines against Viral, Rickettsial, and Bacterial Diseases of Man. This Conference, attended by 300 scientists from 50 countries, was organized by the Pan American Health Organization and was held in Washington, Dec. 14-18. Dr. Rhodes served as rapporteur in one of the sessions.

DR. ROY J. SHEPARD was guest speaker at the symposium "New Frontiers in Cardiovascular Disease", organized by the American College of Cardiology in New York City, Dec. 11-13. He also served as visiting professor to the Department of Medicine, McMaster University, on Dec. 21.

Connaught Medical Research Laboratories

At a symposium on BCG organized by the International Association for Microbiological Standardization held in Frankfurt, Germany, Dec. 1-3, DR. R. J-P. BELCOURT presented a paper entitled "Experimental Dosages of BCG for Newborns".

At a Joint Meeting of the Societies of Endocrinologists and Cardiologists, held at St. Michael's Hospital, Dec. 10, DR. P. J.

Advisory committee begins its study

(Continued from page 1)

tencies from which they have been drawn are:

Association of the Teaching Staff—Prof. Olga Bishop, Library Science; Prof. P. E. J. Gamlin, Child Study; Prof. M. R. Piggott, Chemical Engineering.

Administration—Robin Ross, Vice-President and Registrar; Frank R. Stone, Vice-President (Administration).

Staff Association—Mrs. P. A. Staton. (A second representative of the support staff is to be appointed later.)

University welfare services—Prof. Lorene M. G. Smith, Philosophy.

Graduate Students' Union—Miss Phyllis Clarke.

Students' Administrative Council—Richard Peachey.

Association of Part-time Students—Mrs. Clarice Henschel.

Terms of reference for the committee are that it is "to consider the nature and extent of University social welfare responsibilities in their broadest context" and "give consideration to the long-term involvement of the University in many of these areas of social responsibility."

Blues high in All-Star awards with seven on OQAA dream-team

Although they didn't win the Yates Cup, the Blues showed well again in All-Star awards, with seven players in the 1970 OQAA dream-team.

Heading the list was defensive end Alex Squires, selected for the fourth time in his six Varsity seasons. Another four-time winner was right tackle Jim Kellam. Glen Markle, halfback and league scoring champion, made it for the first time. John Chapman easily repeated at split-end and co-captain Don Fraser took one of the offensive guard spots. Quarterback Wayne Dunkley won top pivot honours, although he played only half the season, and Peter McNabb, with eight interceptions, was an obvious choice at defensive half.

Highlight of the fall athletic schedule for U of T was the record of the Varsity rowing team, which swept both OQAA

Rosedale duplex to let

An upper duplex in Rosedale, fully furnished, will be available for a year from July 1, 1971, while tenant is on leave from the University. Large living room with fireplace, dining room, den, two bedrooms, kitchen, bathroom, private laundry room with automatic washer and dryer in the basement, garage. Heated. Sub-let, \$350 a month. References required. Call Edward F. Sheffield, Professor of Higher Education, 928-8573 (Home: 921-5803).

MOLONEY spoke on the subject of "Induction of Immunotolerance".

At the 38th annual meeting of the Laboratory Section, Canadian Public Health Association, held in Ottawa, Nov. 26-27, W. K. INC presented a paper, co-authored by DR. D. R. E. MACLEOD, entitled "Multiple Antibody Survey"; G. M. HEALY presented a paper, co-authored by DR. A. VON SEEFRIED and H. G. MACMORINE, entitled "A New Basal Tissue Culture Medium for Primary and Continuous Diploid Cells"; W. PARISIUS presented a paper, co-authored by N. CUCAKOVICH and DR. H. G. MACMORINE, entitled "A New and Improved Method for the Dispersion of Tissues for the Preparation of Tissue Cultures"; and J. C. W. WEBER presented a paper, co-authored by H. P. BEHN, entitled "A Quantitative Anti-Globulin Microassay of Rh (D) Immune Globulin (Human)".

At an International Conference on the Application of Vaccines against Viral, Rickettsial and Bacterial Diseases of Man, sponsored by the World Health Organization and Pan American Health Organization, in Washington, Dec. 14, DR. R. J. WILSON presented a paper entitled "Combined Vaccines", and DR. P. FENJE gave a paper entitled "The Status of Existing Rabies Vaccines".

Computer Centre offers another free course in Fortran programming

The University of Toronto Computer Centre announces a free computer programming course which will be held in Room 101, Sandford Fleming Building, King's College Road.

Dates for the course are Jan. 18, 19, 21, 25, 26 and 28.

All the sessions begin at 5 p.m. and conclude at 6 p.m.

The course offers instruction in the use of the FORTRAN language. There are no pre-requisites and no text books are required. Registration will take place at the beginning of the first class on Monday, Jan. 18.

Change of date to Jan 21 for first public lecture

The date of the first of the Victoria College Public Lecture series, Prof. Hughes' "Language, History, and Vision: An Approach to Eighteenth-Century Literature" has been changed to Thursday, Jan. 21 to avoid conflict with the special meeting of the Council of the Faculty of Arts. The time and place of the lecture are unaltered.

Safety and security program needs support of academic staff

In recognizing the need for adequate safety and security programs, "universities surprisingly do not seem to have kept pace with industry and at this time there is still much to be done", James F. Westhead, U of T's Safety and Security Officer, said in a paper delivered at a meeting of the Ontario Association of Physical Plant and Administration held at the University of Windsor.

Mr. Westhead pointed out that "in universities where there are a number of older buildings the application of modern standards presents many difficulties and can be quite costly."

In establishing a safety and security program, Mr. Westhead said, a university must ask itself certain questions: Should it comply only to the minimum standards? Where more than one standard can apply, which one is to be used? Is the criterion to be to select the standard which costs the least? Should the standard be used as a guideline and the safety professional be allowed to apply the standards to the problem, always ensuring that the standards are met?

"The need to ensure a maximum freedom of approach in scientific research

is a real factor", Mr. Westhead continued, "and the application of standards must be tempered and applied in co-operation between the safety professional and the academic in an atmosphere of mutual respect and recognition of the requirements of both."

The campus program can involve, either individually or in some combination, the Safety and Security Office, fire protection, radiation protection, safety, security (in which university police and night watchmen are the principal figures), and communications.

The broad philosophy of the program, Mr. Westhead said, should be "to provide for the interpretation of standards and their application to a given set of circumstances, whether they be construction, alterations, the installation of equipment, new routines or operations. For the success of this approach there has to be a good working relationship with mutual confidence and understanding between the safety professional and the planners, architects, engineers, contractors, and the academic community in order that recommendations are effectively incorporated into final design, construction or operational procedures."

and Eastern Canada Intercollegiate Rowing Association championships. Blues won a division title in tennis and came close in several other sports.

Intramural results in fall term sports:

Sport	Winner
Football	Victoria College
Soccer	Engineering
Rugger	Phys. Ed.
Tennis	St. Michael's College
Track	Phys. Ed.
Swimming	Victoria College
Lacrosse	Erindale College

Environmental Sciences seeking new chairman

The Shaping Committee of the University of Toronto's Environmental Sciences and Engineering Program has appointed a Nominating Committee to recommend to President Claude Bissell a new chairman for the program. Members of the committee are Profs. T. C. Hutchinson, G. L. Morris and C. R. Phillips.

Suggestions and recommendations should be sent to Mrs. Klausen, Room 320, Mill Building.

Dr. W. F. Graydon, chairman of the Department of Chemical Engineering, indicated in a letter dated Dec. 9 that he would be resigning on Jan. 1, on completion of a two-year term.

COMING EVENTS

JANUARY

14 THURSDAY

- Lectures**
Engineering "A General View of Stochastic Processes". Dr. Frederick Legerer, Department of Civil Engineering, University of Waterloo. Room 254 Mechanical Building. 4 p.m. (SGS and Mechanical Engineering)
Physics "A Two-roton Bound State in Superfluid Helium". Dr. T. Greytak, MIT. 102 McLennan Physical Laboratories. Tea 3.45-4.05 p.m. (SGS and Physics)
Art "Art and Architecture of the Northwest Coast". Dr. George MacDonald, Chief of the Archaeology Division, National Museum of Man, Ottawa. Planetarium Lecture Room. 4.30 p.m. (Archaeological Institute of America). Free
Seminars
Russia "Andrei Amalrik". Prof. John Keep. Room 3050 Sidney Smith Hall. 2 p.m. (CREES)
German "E. T. A. Hoffmann: Wirklichkeit und Illusion". Prof. Horst S. Daemrich, Wayne State University, Detroit. Room 205 Victoria College, New Academic Building. 4 p.m. (SGS and German)
Meeting U of T Library Council meeting - principal business is expected to be the receipt of a report from the sub-committee on means of collecting library fines from staff members. Senate Chamber. 4 p.m.

15 FRIDAY

- Lectures**
Chemistry "What You Always Wanted To Know About Chemical Reactions (But Were Afraid To Ask) - A Simple View of Reactive Molecular Collisions". Prof. R. Suplinkas, Yale University, New Haven. Room 158 Lash Miller Chemical Laboratories. 4 p.m. (SGS and Chemistry)
Sociology "The Limits of Pluralism". Prof. William Gamson, University of Michigan. Room 1069 Sidney Smith Hall. 10 a.m. (SGS and Sociology)
Medicine "Recent Studies on the Regulation of Glutamine Synthetase in E. Coli". Dr. Earl R. Stadtman, Chief, Lab. Biochem., National Heart and Lung Institute, National Institute of Health, Bethesda, Md. Room 114 C. H. Best Institute. 4 p.m.
German "Die Motivreihe Nebel/Licht im Werk Goethes". Prof. Horst S. Daemrich, Wayne State University, Detroit. Combination Room, Trinity College. 8.30 p.m. (SGS and German)
Electrical "Some Practical Experience with Log-periodic HF Dipole Antennas". Dr. Gertler, Antenna Engineering Australia Pty. Ltd. Melbourne. 221 Galbraith Building. 2 p.m. (Physics)
Seminar
Sociology "Establishing a Social Order in a Simulated Society". Prof. William Gamson. Room 229 Borden Building. 2 p.m. (SGS and Sociology)

16 SATURDAY

- Lecture**
Technology "The Human Use of Technology: Historical Perspectives". Dr. Melvin Kranzberg, Director, Program in the History of Science and Technology, Case Western Reserve University. Convocation Hall. 8.15 p.m. (Royal Canadian Institute).

18 MONDAY

- Lectures**
Literature Madame Nathalie Sarraute, novelist and champion of the *Nouveau Roman*, will speak in English on this subject. Room 2135 Sidney Smith Hall. 4 p.m. (Varsity Fund, SGS and Graduate French)
Education "What Is a University For, Anyway?" - second F. B. Watts Memorial Lecture. Lord Annan, Provost, University College, London. Scarborough College. 8.30 p.m.
Seminar
Literature "Forme et Contenu du Roman". Madame Nathalie Sarraute. Room 2102 Sidney Smith Hall. 8 p.m. (Varsity Fund, SGS and Graduate French)

19 TUESDAY

- Lectures**
Forestry "The Origin of Marine Magnetic Anomalies". Dr. E. Irving, Geomagnetic Laboratory, Earth Physics Branch, Department of Energy, Mines and Resources. Room 128 Mining Building. 4 p.m. Coffee at 3.30 p.m. (U of T and C.I.M.M.)
Astronomy "Current Developments in the Application of Remote Sensing and Aerial Photography in Forest Inventory". Dr. L. Sayn-Wittgenstein, Associate Director, Forest Management Institute, Canadian Forestry Service. 303 Galbraith Building. 2 p.m. (Forestry)
Astronomy "The Luminosity Function of Elliptical Galaxies". Dr. George O. Abell, Department of Astronomy, University of California, Los Angeles. David Dunlap Observatory, Richmond Hill. 4 p.m. (SGS and Astronomy)
Seminar "Optimal Binary Trees". Prof. E. Coffman, Pennsylvania State University. 220 Galbraith Building. 3 p.m. (Computer Science)
Meeting Association of the Teaching Staff general meeting to consider proposed revisions in the constitution. Cody Hall, School of Nursing. 8 p.m.
Broadcast
Islamic "Turkish Literature Through the Ages". Over CJRT-FM (91.1) at 1.30 p.m. and repeated at 9 p.m. (Islamic Studies)

20 WEDNESDAY

- Lecture**
Astronomy "Clusters of Galaxies and the Cosmological Distance Scale". Dr. George O. Abell, Department of Astronomy, University of California, Los Angeles. Room 137 McLennan Physical Laboratories. 4 p.m. (SGS and Astronomy)
Seminars
Medicine "Prostaglandins and Neuronal Activity in Spinal Cord and Cuneate Nucleus". Dr. F. Coceani. Room 2172 Medical Sciences Building. 4-6 p.m.
Computer Science "Application of Computers to Analysis of the Photographic and Other Evidence in the Assassination of President Kennedy" - An A.C.M. lecture. Richard E. Sprague. 203 McLennan Physical Laboratories. 3 p.m. (Computer Science)
History "Transformational Linguistics and Mathematics". Prof. David Lewis, Brown University. 103 McLennan Physical Laboratories. 4 p.m. (Computer Science)
History "The Problem of French Foreign Policy". Douglas Johnson, professor of French History, University of London. Upper Library, Massey College. 4 p.m. (History)
Open meeting
Disciplinary procedures Campbell Report Implementation and Programming Committee. Senate Chamber, Simcoe Hall. 2 p.m.

21 THURSDAY

- Lectures**
History "The Ideology of the Third Republic". Prof. Douglas Johnson. Room 202 McLennan Physical Laboratories. 2 p.m. (History)
Literature First of Victoria College Public Lecture Series. "Language, History and Vision: An Approach to Eighteenth-Century Literature". Prof. Peter M. Hughes. Lecture Hall, Room 3 Academic Building, Victoria College. 4.30 p.m. (Previously announced for Tuesday, Jan. 19)

Seminars
Engineering

Geography

22 FRIDAY

- Lecture**
Medieval "The Technology of Scholarship: Indexes, Concordances and Catalogues in Thirteenth-Century Europe". Prof. Richard H. Rouse, University of California, Los Angeles. Room: T.B.A. 4 p.m.
Seminars
Botany "Chemical Radicals". Prof. Thomas R. Lynch. Room H215 Scarborough College. 4 p.m. Refreshments. (Physical Sciences Group)
Computer Science "The Relationship between Taxonomy and Evolution". Dr. Arthur Cronquist, Senior Curator, New York Botanical Gardens. Room 7 Botany Building. 12 noon.
Music "Design of Super Critical Airfoils". Prof. Paul Garabedian, Courant Institute of Math. Science, New York. 103 McLennan Physical Laboratories. 11 a.m. (Computer Science)
University of Toronto Symphony Orchestra. MacMillan Theatre, Edward Johnson Building. 8.30 p.m.

23 SATURDAY

- Lecture**
Coins "Canada's National Numismatic Collection". Major Sheldon S. Carroll, Curator of the Numismatic Collection, Bank of Canada. Convocation Hall. 8.15 p.m. (Royal Canadian Institute)
Seminar
Medieval "Medieval Manuscript Tradition". Fourth Series. "Textual Criticism - One Manuscript of Many?" Father Leonard Boyle. Moot Court, Faculty of Law. 2 p.m. (SGS and Medieval Studies)

24 SUNDAY

- Film** "Dead Birds" illustrates intertribal warfare, revenge and ritual of the Dani people of New Guinea. Not recommended for children. ROM Theatre. 2 p.m. Free
Service Choral Vespers Service. Music by Herbert Howells. Massey College Chapel. 5 p.m.

26 TUESDAY

- Lectures**
French "What Is Not New in the *Nouveau Roman*". Prof. Dorothy Blair, University of the Witwatersrand, Johannesburg. Room 103 U.C. 4 p.m. (French and SGS)
Ethics "Regulation and Repression: The Possibility of Individual Autonomy". Prof. M. T. Thornton. Lecture Hall, Room 3 Academic Building, Victoria College. 4.30 p.m.
Broadcast
Islamic "Islamic Art - Variations on Themes of Arabesque". Over CJRT-FM (91.1) at 1.30 p.m. and repeated at 9 p.m. (Islamic Studies)

27 WEDNESDAY

- Lecture**
Poetry "Canadian Poetry: A Progress Report". Prof. Louis Dudek, Department of English, McGill University. Cartwright Hall, St. Hilda's College. 1 p.m. (Combined Departments of English)
Open meeting
Disciplinary procedures Campbell Report Implementation and Programming Committee. Senate Chamber, Simcoe Hall. 2 p.m.

28 THURSDAY

- Music** Thursday Afternoon Series. Faculty of Music Collegium Musicum, Hortus Musicus Torontensis, University of Toronto Concert Choir. Concert Hall, Edward Johnson Building. 2 p.m. Free
Société de Musique Contemporaine du Québec. Directed by Serge Garant. MacMillan Theatre, Edward Johnson Building. 8.30 p.m. \$3, students \$2.

29 FRIDAY

- Lecture**
Ophthalmology Walter Wright Lecture - "The Eyelid as an Aid to Diagnosis". Dr. Harold F. Falls, University of Illinois. Main Lecture Theatre, Toronto General Hospital. 4 p.m.

30 SATURDAY

- Lecture**
Toronto "Historic Toronto - Its Retention or Destruction?". Brigadier-General J. A. McGinnis, Managing Director, Toronto Historical Board. Convocation Hall. 8.15 p.m. (Royal Canadian Institute)

31 SUNDAY

- Music** University of Toronto Concert Band. Conductors: Robert A. Rosevear, Herbert C. Mueller. MacMillan Theatre, Edward Johnson Building. 3 p.m.
Scholarship Fund Series. Orford String Quartet. Concert Hall, Edward Johnson Building. 8.30 p.m. Tickets \$2, students \$1.25.

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Friday, January 15

Walter A. O'Grady, Department of English. "Political Contexts in the Novels of Graham Greene and Joyce Cary". Thesis supervisor: Prof. R. J. Schoeck. Room 108, 16 Hart House Circle. 2 p.m.

Tuesday, January 19

J. W. Auer, Department of Mathematics. "A Spectral Sequence for Smooth Fiber Bundles, and Fiber Integration". Thesis supervisor: Prof. W. Greub. Room 108, 16 Hart House Circle. 2 p.m.

Wednesday, January 20

D. C. Mantz, Department of English. "From Emblem to Enargeia: A Study of Cooper's Hill and 17th Century Topographical Poetry". Thesis supervisor: Prof. K. MacLean. Room 108, 16 Hart House Circle. 2 p.m.

Monday, January 25

D. M. Tisdall, Department of English. "The Not Unsimilar Face: A Comparative Study of the Influence of Culture, Religion and Locale on French-Canadian and English-Canadian Poetry". Thesis supervisor: Prof. M. T. Wilson. Room 108, 16 Hart House Circle. 2 p.m.

Tuesday, January 26

J. L. Harewood, Department of Classical Studies. "The Circumelliones from Constantine the Great to St. Augustine". Thesis

supervisor: Prof. G. L. Keyes. Room 107, 16 Hart House Circle. 2 p.m.

Thursday, January 28

B. Singh, Department of Physics. "Gamma-Gamma Angular Correlation Studies with Radioactive Nuclei". Thesis supervisor: Prof. H. W. Taylor. Room 108, 16 Hart House Circle. 2 p.m.

L. R. Ricou, Department of English. "Canadian Prairie Fiction: The Significance of the Landscape". Thesis supervisor: Prof. D. G. Lochhead. Room 107, 16 Hart House Circle. 2 p.m.

EXHIBITIONS

Exhibition of recent planning and design work by Project Planning Associates Limited, a member of the Project Group of companies. Exhibition Gallery, Faculty of Architecture, Urban and Regional Planning and Landscape Architecture. Weekdays from 9 a.m. to 6 p.m. Until Jan. 18.

"From Here to Infinity". Theatre of the Stars, McLaughlin Planetarium. Tuesday through Friday: 3.30, 8 p.m. Saturdays: 11 a.m., 2, 3.30, 7.30, and 9 p.m. Sundays: 2, 3.30, 5, 7.30 p.m. To Jan. 31.

Oil paintings by Amelia Hall in Alumni Hall, Victoria College. Until Feb. 2, Monday to Friday.

"Hoefnagel". Colourful maps and drawings by Joris Hoefnagel, German miniaturist and draughtsman. Third floor, Rotunda, ROM. Jan. 19 to Feb. 21.